WHAT IS CLAIMED IS:

1. An inverter unit grounding method comprising:

connecting a 0V of a circuit system including a sensor circuit for a sensor in an inverter unit for driving a motor with a shield braid of a shielded cable connecting the sensor circuit and the sensor; and

connecting the shield braid of the shielded cable to an earth plate outside the inverter unit.

2. An inverter unit for driving a motor, comprising:

a sensor for detecting the state of the motor or a machine using the inverter unit; and

a circuit system including a sensor circuit for the sensor, wherein

the sensor circuit is connected with the sensor by means of a shielded cable having a shield braid, and the shield braid is connected to a 0V of the circuit system and an earth plate outside the inverter unit.

3. The inverter unit according to claim 2, wherein the sensor detects the position or speed of the motor, the magnetic pole position of a rotor of the motor, the temperature of the motor, or the acceleration of the motor, and the sensor circuit processes signals from the sensor.

4. A machine using the inverter unit according to claim 3.